Performance Tuning of IBM Sterling B2B Integrator for Large File Transfers: JVM, Thread Pool, and Database Optimization â??
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Abstract

Large file transfers are a defining workload for enterprise data exchange systems, requiring both reliability and throughput. IBM Sterling B2B Integrator (SB2BI) is widely deployed in industries such as finance, healthcare, and logistics, but without deliberate tuning, large payloads strain its JVM environment, thread pools, and database schema. This paper examines performance optimization strategies within Sterling B2B Integrator for large file transfers, drawing on IBM documentation and independent analyses published between 2019 and 2022. The discussion covers JVM configuration, thread pool adjustments, and database-level optimizations, along with diagnostic and monitoring practices. The findings consolidate practical tuning methods with architectural insight, resulting in a structured framework that enterprises can adopt to maintain throughput and resilience

Footer Tagline